

**GENERAL
EQUIPMENT
OPERATOR
WG-4741-07**

**UTILITIES
HVAC**

JOB SUMMARY

This job is located in the Facilities Management & AirField Support Department, Facilities Management Division, Utilities Operations Branch, Naval Air Station, Lemoore, California. As one of several roving general equipment operators, incumbent performs scheduled checks and minor operational maintenance to assigned fully automatic gas-fired and oil-fired (auxiliary) heating, hot water and/or steam boilers. Also monitors central power distribution system meters; ~~performs minor operational maintenance to central air compression system; monitors~~ administration area utility plant boiler alarm boards; and operates fire (auxiliary) water pumps.

TYPICAL WORK PERFORMED

100%

1. Performs boiler water sample tests; chemically treats water and records test results. Adds chemicals to boilers on the basis of test results in order to maintain prescribed levels. Performs boiler attendance checks and makes minor repairs to 75 fully automatic gas-fired and 1 oil-fired (auxiliary) boilers ranging in size from 160,000 BTU's to 8,369,000 BTU's. Total BTU's for two boilers in the largest boiler room is 16,738,000 BTU's. Operator repacks pumps, keeps boiler rooms and equipment clean, touches up painting of pumps and boilers, and keeps records of checks of all equipment in assigned area.
2. Operates and does minor maintenance on three air compressors, each unit produces 1,030 cubic feet of air at 125 psi pressure. Keeps records of compressor operation. Changes oil and keeps equipment wiped down. Additional equipment includes two cooling water circulating pumps, one air receiver and one evaporative cooling tower.
3. Performs switching operations on 12,000 volt buses to close circuit when faulty circuit trips breaker on utility building power distribution system. Records incoming voltage and feeder branch loading.
4. Records water tank levels and distribution of water usage. Operates 14 water automatic distribution pumps and 5 combination diesel electric fire pumps. Does minor maintenance on pumps; e.g. changing oil, greasing and repacking pumps. Operator keeps assigned area clean. Answers primary water plant alarm. Calls in primary water plant operator in emergency. Monitors boiler alarm board and responds to alarm.
5. Performs daily pool water tests for all swimming pools on base and makes daily chemical additions to maintain a specified water quality.

SKILL AND KNOWLEDGE

Operator is required to have some knowledge of arithmetic and chemistry in adding chemicals to boilers and swimming pools and in testing water samples. Must be able to read blueprints and sketches. Must have some knowledge of electrical and mechanical principles and the use of measuring devices. Must be familiar with equipment used on automatic boilers such as combustion controls, feed water heaters, induced draft fans, and steamflow/airflow meters. Skill needed to operate the equipment and be able to locate and understand meters and gauges. ~~Must~~ have the ability to check boilers and associated plumbing for breaks and leaks, oil and grease moving parts and make minor adjustment and repairs. In the event of a malfunction or breakdown of equipment, notifies supervisor. Must possess or have the ability to obtain a government vehicle operator's license.

RESPONSIBILITY

The immediate supervisor is the Utilities Forman who assigns and reviews work. Incumbent works from oral and written instructions, standard operating methods and procedures, and safety regulations.

Since the boilers usually are run on a 7-day, 3-shift plan, operators alternate working on all three shifts, including weekends. During night shifts and on weekends, operator is assigned to tend boilers in Administration area of the base and the Operations area (the two areas are 5 miles apart); this operator is responsible for assigned equipment and performs assigned work without immediate supervision.

The incumbent is also the first point of contact for the JOOD and will be responsible for inspection and screening of all trouble calls including electrical, mechanical, plumbing, etc. and advising the JOOD/OOD/CDO of the proper person in the Public Works Department to contact if the situation is beyond the incumbents scope. This duty is performed on the swing and graveyard shifts and all three shifts on the weekends. Those shifts will have the beeper with them at all times while on duty.

PHYSICAL EFFORT AND WORKING CONDITIONS

Operator may be exposed to temperatures of 125°F for short periods of time. Protective clothing must be worn while working with acids and caustics. Should be familiar with the use of survival air pack equipment in emergencies. Exerts light physical effort in observing automatic equipment and adjusting controls. Work requires continuous standing and walking. Eighty percent of work is performed inside.